

**OPERATING PERMIT FOR FACILITIES  
RECEIVING SOLID WASTE**

	TYPE OF FACILITY Solid Waste Landfill	FACILITY/PERMIT NUMBER 37-AA-0008
NAME AND STREET ADDRESS OF FACILITY  San Marcos Landfill 1595 Questhaven Road San Marcos, CA 92069	NAME AND MAILING ADDRESS OF OPERATOR  San Diego County Department of Public Works 9621 Ridgehaven Ct. San Diego, CA 92123-1295	
PERMITTING ENFORCEMENT AGENCY  County of San Diego Department Of Health Services	CITY/COUNTY  City of San Marcos/County of San Diego	

# PERMIT

This permit is granted solely to the operator named above, and is not transferrable.

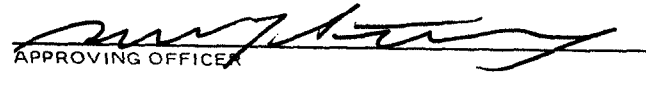
Upon a change of operator, this permit is subject to revocation.

Upon a significant change in design or operation from that described by the Plan of Operation or the Report of Station or Disposal Site Information, this permit is subject to revocation, suspension, or modification.

This permit does not authorize the operation of any facility contrary to the State Minimum Standards for Solid Waste Handling and Disposal.

This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other government agencies.

The attached permit findings, conditions, prohibitions, and requirements are by this reference incorporated herein and made a part of this permit.

APPROVED:   APPROVING OFFICER  <u>Gary Stephany, Deputy Director</u> NAME/TITLE <u>Environmental Health Services</u>	AGENCY ADDRESS  San Diego County Department of Health Services P.O. Box 85261 San Diego, CA 92186-5261	
SEAL	AGENCY USE/COMMENTS	
	PERMIT RECEIVED BY CWMB <u>JAN 12 1993</u>	CWMB CONCURRENCE DATE <u>MAR 12 1993</u>
	PERMIT REVIEW DUE DATE <u>3-7-98</u>	PERMIT ISSUED DATE <u>3-17-93</u>

SOLID WASTE FACILITIES PERMIT  
SAN MARCOS LANDFILL  
37-AA-0008

FINDINGS

1. The description of the facility's design and operation as authorized by this permit includes the following:
  - A. The San Marcos Landfill is an existing facility which was granted a solid waste facilities permit in 1978. The owner of the facility is the County of San Diego. The operator of the facility is the County of San Diego, Department of Public Works. Currently the contract operator is Herzog Contracting Corporation.
  - B. The facility is located south of Questhaven Road, east of Rancho Santa Fe Road, and west of Elfin Forest Road. It includes Assessors's Parcel Numbers 223-080-32, 223-080-34, 223-080-36, 223-080-37, 223-081-08, 223-081-11, 223-081-12, 223-081-13, 223-082-05, 223-082-07, 223-082-09. A site map and plot plan are included in Appendix O of the Report of Disposal Site Information which delineates the landfill boundaries and indicates adjacent land uses within 1000' of the site boundaries; total acreage is 236 acres, area currently in use is 103 acres. The site map and plot plan are found in the Preliminary Closure Plan for the San Marcos Landfill Vertical Expansion, Appendix H, Attachment A, sheet 1 of 8. The legal boundaries are described on section E of the Report of Disposal Site Information, and Records of Survey are included in Appendix G.
  - C. The facility has truck scales operating across three lanes (two incoming and one outgoing), with two fee booths. A moveable third booth is currently used for pickups and cars. The facility also has a methane recovery plant, a trailer for operations with a temporary maintenance facility for the equipment next to the trailer, and a small trailer next to the chipping area for maintenance on the chipping equipment. An additional trailer for Department of Public Works personnel is located near the entrance booths.

Before the vertical expansion occurs, a permit for a methane flare will be obtained in accordance with the requirements of the Air Pollution Control District. The current landfill gas collection system consist of 35 methane extraction wells, of which 29 are connected to the on-site methane recovery plant.

A French underdrain system that was installed under the existing landfill to prevent shallow groundwater from intruding into the landfill. The vertical expansion will have a leachate collection system constructed on top of the clay cover that will be constructed over the existing completed landfill. Leachate will be collected and conveyed in piping to a tank.

The existing drainage consist of a channel on the northern boundary and down chutes on the face of the landfill slopes. For the vertical expansion, bench drains, gunite brow ditches, and corrugated steel pipe down drains and culverts will be designed to convey a 100 year storm event.

- D. Wastes received at this facility include mixed residential, commercial, tires, dead animals, and construction/demolition wastes. Hazardous wastes, friable asbestos, biohazard wastes, auto fluff, sewage sludge, and septic tank pumpings are not accepted.
- E. About 2300 tons of solid waste per operating day are currently received. Daily quantities are expected to increase to an average of 5100 tons per day over the life of the landfill. The County recommends a maximum daily load capacity of 6200 tons per day. Site capacity is estimated at 22.7 million cubic yards.
- F. Landfill operations shall occur only between the hours of 7:00 A.M. and 6:00 P.M., Monday through Friday, and 8:00 A.M. to 4:00 P.M. Saturday and Sunday. For the purposes of this condition, "operations" shall include: the receipt, handling, processing and/or disposal of waste or recyclable materials; cover operations; site grading and/or excavation, including blasting and rock crushing; and heavy equipment. Other site activities such as

the operation of gas and leachate collection/treatment systems, remedial activities required by a regulatory agency, equipment maintenance within an approved maintenance yard shall not be limited by this condition.

The facility uses the area fill method, compacted to a density of 1200 pounds per cubic yard. Entry to the landfill is from Questhaven Road and is the sole access to the landfill. Access to active fill area is provided by well maintained access roads. Once vehicles have entered the landfill signs are posted to direct them to specific areas: green wastes, tires, demolition/construction, private, and commercial tipping areas. The vehicles then exit by the same landfill access road to Questhaven Road. An average of 804 vehicles per day currently use the site. The projected number of vehicles to use the landfill is 1753 per day according to the traffic study in the Final Environmental Impact Report.

- G. Salvaging is not permitted. Tires are diverted to a tire stockpile for shredding. Currently the shredded tires are landfilled but will be recycled in the future. "Clean green" material are sent to another area for chipping. Most of the mulch is sold to a private company, the remainder is offered to the public free of charge. A drop-off recycling center is in operation. Hazardous waste will be handled in a manner approved by the LEA and the CIWMB in accordance with California Code of Regulations, Title 22.
- H. The Department of Public Works is currently implementing a waste load checking program. The EPA generator number is CAD982431892. The storage of hazardous waste for a loadcheck program does not require a variance from the California State Department of Health Services (DOHS). The DOHS has decided to recognize the operator as generator of the waste and will allow a 90 day storage under generator status. The load check program consists of inspections of random incoming loads, regular visual inspections of the wastes deposited at the facility, training of facility personnel in hazardous waste recognition and proper waste handling procedures, and posting a sign which

states that no hazardous materials are accepted. Incidents of unlawful disposal are reported to the County of San Diego, Hazardous Materials Management Division [telephone (619) 338-2222]. Additional measures may be required upon the request of the local enforcement agency.

- I. Any changes in design or operation in the next 5 years not sanctioned by the issuance of this permit may be subject to California Environmental Quality Act (CEQA) review.
  - J. The estimated site life depends on whether a 30% recycling goal and the North County Recycling Center are considered in calculating the remaining capacity. Based on a maximum tonnage of 6200 tons per day (worst case) the landfill will last into 1994. Based on a minimum tonnage of 2300 tons per day, the landfill will last until 1997. The actual site life will fall between these dates.
2. The following documents describe and condition the design and operation of this facility and are adopted by reference:
- A. Report of Disposal Site Information, dated March 1992 and revised May 7, 1992.
  - B. City of San Marcos Special Use Permit SMP 77-05, and revised CUP 91-3782, Appendix A of the RDSI.
  - C. California Regional Water Quality Control Board, San Diego Basin Region, Order Number 92-02, Appendix K of the RDSI.
  - D. Air Pollution Control District Authority to Construct, application No. 900245, dated March 14, 1991. The original expiration date has been extended to March 14, 1993. This document is in Appendix K of the RDSI.
  - E. Final Environmental Impact Report and Final Supplemental Environmental Impact Report SCH No. 89052419, and Mitigation Monitoring Program included as an attachment to this Solid Waste Facility Permit.
  - F. Contractual agreement between County of San Diego

Department of Public Works and Herzog Contracting Corporation, Appendix M of the RDSI.

- G. A California Department of Forestry Rubbish Dump Permit is not needed for the vertical expansion.
  - H. Contractual agreement between County of San Diego and the Methane Plant Operations, Appendix M of the RDSI.
3. The following findings are required pursuant to Public Resource Code Section 50000, 44010, and 50000.5:
    - A. The permit is consistent with the San Diego County Solid Waste Management Plan (CoSWMP) dated 1986, found on pages III-17 and III-18.
    - B. This permit is consistent with standards adopted by the CIWMB.
    - C. The City of San Marcos and the County of San Diego have made a determination that the vertical expansion of the facility is consistent with, and designated in, the applicable General Plan by Resolution 91-3781 (GPA 90-17).
  4. The design and operation of the facility is in compliance with the State Minimum Standards for Solid Waste Handling and Disposal as determined by the LEA on December 2, 1992.
  5. The City of San Marcos has made a written finding that surrounding land use is compatible with the facility operation by Ordinance 91-897 (PZ 90-44) and Ordinance 91-898 (R 90-93) as required in PRC 50000.5 (b) (1) (2).
  6. The Final Environmental Impact Report for San Marcos Landfill Expansion Project, SCH No. 89052419, was certified on November 13, 1990 and recertified on December 17, 1991.
  7. The Final Supplemental Environmental Impact Report for San Marcos Landfill Expansion Project, SCH No. 89052419, was certified on December 17, 1991 and recertified on July 14, 1992.

#### CONDITIONS

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### Requirements

1. The design and operation of this facility must comply with the State Minimum Standards for Solid Waste Handling and Disposal.
2. The design and operation of this facility must comply with all Federal, State, and local requirements and enactments, including the Mitigation Monitoring Program included as an attachment to this Solid Waste Facility Permit.
3. A detailed report shall be submitted for the development of the various components of the landfill, including detailed specifications and drawings for the construction of liners, covers, leachate collection and removal systems, drainage facilities, and retention basins. The report shall include all designs and design calculations, and should include quality assurance and quality control procedures for all aspects of construction and installation. The report should include detailed specifications regarding the sequence and scheduling of construction of the various segments of the project. The report must be certified by a registered civil engineer in the State of California, who has a minimum of five years experience in landfill design and construction, and demonstrate that the design will result in compliance with the Waste Discharge Order 92-02 and the construction standards specified by 23 California Code of Regulations, Chapter 15. Additional information regarding the design and operation of this facility must be provided to the LEA upon request.
4. At the discretion of the LEA, landfill gas monitoring probes shall be installed for detection of gas migration.
5. Sufficient survey points shall be established to allow any permanent deflection of the retaining wall to be monitored. The retaining wall shall be surveyed twice annually for the first two years after construction and annually thereafter including the postclosure maintenance period.
6. Within 24 hours of any seismic event which generates noticeable shaking at the site, the retaining wall and environmental control facilities shall be inspected to determine the extent of any damage. Within 48 hours of any seismic event which generates noticeable shaking at

the site, a survey to determine the location and amount of any deflection shall be performed.

7. Any temporary repairs needed to ensure the integrity of the retaining wall and the environmental controls of the landfill shall be initiated immediately and shall be maintained until the scope of any necessary permanent repairs have been completed.
8. Any permanent repairs to the retaining wall shall be completed in a timely fashion.
9. Results of any surveys shall be submitted to the Board and LEA within 30 days of completion. Results of inspections, surveys, and temporary repairs after seismic events shall be reported verbally within 48 hours of completion. Written reports shall be submitted within 15 days. Descriptions and results of permanent repairs shall be submitted within 30 days of completion.

#### Prohibitions

The following actions are prohibited at this facility:

1. Disposal of hazardous wastes, friable asbestos-containing materials, septic tank pumpings, and biohazard waste.
2. Placement of wastes closer than 5 feet to the highest anticipated ground water level.
3. Scavenging
4. Open burning
5. Sewage sludge for disposal and automobile fluff.

#### Specifications

1. In no event shall any portion of the fill exceed a maximum height of 946 feet above mean sea level. The final elevation of 950 feet above mean sea level includes the final cover cap of four feet of material.
2. Any change which would cause the design or operation of the facility to not conform to the terms or conditions of the permit would be considered a significant change and require a permit revision. If the operator proposes a significant change, an application for permit revision



shall be submitted to the LEA 120 days prior to the change.

3. This facility has a permitted capacity of 6200 tons per operating day and shall not receive more than this amount without first obtaining a revision of the permit.
4. The number of vehicles shall not exceed that indicated by the traffic study in the Final Environmental Impact Report, which is currently 804 vehicles, and projected to 1753 vehicles per day.
5. A change in the operator of this facility would require application for a new permit. The County of San Diego as the permitted operator may change the contract operator and submit an amendment to the RDSI. A change in the contract agreement would require a modification of the permit.
6. The enforcement agency, through this permit, may prohibit or condition the handling or disposal of solid wastes to protect the public health and safety, protect, rehabilitate, or enhance the environment, or to mitigate adverse environmental impacts.
7. This revision of the SWFP supersedes the permit originally issued September 20, 1978.
8. Precipitation and drainage control systems are to be designed and constructed to accommodate the anticipated volume of precipitation and peak flows from surface water runoff from a 24-hour, 100-year frequency storm event. Construction of the system shall be completed no later than October 1992, or in accordance with dates specified by Regional Water Quality Control Board. There shall be no standing water over covered filled areas.

#### Provisions

1. This permit is subject to review by the LEA and may be modified, suspended, or revoked, for sufficient cause after a hearing.
2. The operator shall maintain a copy of this permit and the State Minimum standards for solid waste disposal at the site at all times.
3. This permit shall be reviewed at a minimum of every five

years. Additionally, the operator must submit an application for permit review concurrently with the request for conditional use permit extension to the City Manager of the City of San Marcos as required by the City of San Marcos CUP 92-173.

#### Closure/Postclosure Maintenance

1. All documentation relating to the preparation of the closure and postclosure maintenance costs shall be retained by the operator and shall be available for inspection by the Board or the LEA at reasonable times.

#### Self-Monitoring

The following items shall be monitored by the operator of this facility or his agent. Records including but not limited to these items shall be kept and made available to the enforcement agency upon request.

1. Environmental measurements of water quality, leachate, and gas shall be reported to the LEA on a quarterly basis. If these results show any migration of leachate or landfill gas outside the fill area, these results shall be submitted to the LEA immediately.
2. Number of vehicles utilizing the site daily for waste disposal shall be reported to the LEA on a quarterly basis. The number of vehicles shall not exceed that indicated by the traffic study in the Final Environmental Impact Report.
3. Total daily waste tonnage received shall be reported to the LEA on a quarterly basis.
4. Log of special occurrences shall be maintained and reported to the LEA on a quarterly basis.
5. Results of the hazardous waste screening program shall be reported to the LEA on a quarterly basis.
6. Quarterly monitoring reports of ground water quality data derived from private wells in accordance with the work specified by Article 5, Chapter 15 of the California Code of Regulations and required in Provision D.16 of Waste Discharge Order 92-02 to the LEA and CIWMB.